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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/037,039	12/21/2001	Richard H. Breinlinger	SAA-83	5598

7590

09/05/2003

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EXAMINER

MAI, LAM T

ART UNIT

PAPER NUMBER

2819

DATE MAILED: 09/05/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/037,039

Applicant(s)

BREINLINGER, RICHARD H.

Examiner

LAM T MAI

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Period for Reply
-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,6,9 and 13 is/are rejected.
- 7) ☒ Claim(s) 2-5,7,8,10-12,14 and 15 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Specification

The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 6, 9, and 13 are rejected under 35 U.S.C. 102(b) as being anticipated by Schreiber et al (USP 5373410).

Regarding claim 1, Schreiber discloses in figure 2 that teaches an analog to digital converter (32) and an input circuit that including an output terminal connected to input of the analog to digital converter; voltage input terminal (53); current input terminal (74) and common terminal (66) (See figure 2, and col. 4, lines 20 and col. 5 for description).

Regarding claim 6, Schreiber discloses in figures 2 and 3 that teaches voltage input terminal (53); current input terminal (74) and common terminal (66) and an output terminal (See figure 2, and col. 4, lines 20 and col. 5 for description).

Regarding claim 9, Schreiber discloses in figure 2 that teaches mean for processing signal from external and mean for converting external analog signal to digital (32) and an output (46) for the mean of processing signal of converting analog signal to digital signal. Schreiber also teaches processing signals are voltage input terminal (53); current input terminal (74) and common terminal (66) (See figure 2, and col. 4, lines 20 and col. 5 for description).

Regarding claim 13, Schreiber discloses in figure 2 that teaches voltage input mean and accepting voltage input (53); current input mean and accepting current input (74) and signal return (common) mean (66); output mean and providing output (46) (See figure 2, and col. 4, lines 20 and col. 5 for description).

Allowable Subject Matter

Claims 2-5, 7-8, 10-12, and 14-15 are objected to as being dependent upon a rejected base claim, but they would be considered for allowance if they are rewritten in independent form including all of the limitations of the base claim and any intervening claims. All features of objected claims are not taught or suggested in the prior art.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAM T MAI whose telephone number is (703)308-1703. The examiner can normally be reached on 6:00 am - 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Tokar can be reached on (703)305-3493. The fax phone numbers for

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the organization where this application or proceeding is assigned are (703)308-7722 for regular communications and (703)308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0956.

Lam T. Mai
Art Unit 2819
September 3, 2003

A handwritten signature in black ink, appearing to read "Michael J. Tokar". The signature is fluid and cursive, with the first name "Michael" and last name "Tokar" clearly distinguishable.

Michael Tokar
Supervisory Patent Examiner
Technology Center 2800